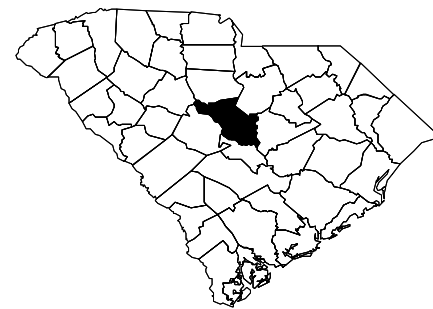


# IMPACT OF CHRONIC CONDITIONS RICHLAND

## County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Richland county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The majority (44%) of the population in Richland county are between the ages of 18-44, and there are more females (52%) than males (48%). However, Richland county has a higher minority population (50%) than the state (32%). When adults in Richland county were asked about their general health status, 78.1% reported having excellent, very good, or good health in 2002 (SC was 83%).

	<b>RICHLAND COUNTY</b>	<b>STATE</b>
<b>Population size</b>	329,086	4,107,183
<b>Age distribution (%)</b>		
<18	24	24
18-44	44	40
45-64	22	24
65-84	9	11
85+	1	1
<b>Race (%)</b>		
White	50	68
Black & Other	50	32
<b>Sex (%)</b>		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Richland county.

<b>RISK FACTOR</b>	<b>COUNTY (%)</b>	<b>STATE (%)</b>
Current smoking	31	27
Sedentary lifestyle	44	42
Overweight	62	60
High Cholesterol	11	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	25.8	.	.	.	.	28.4
Number of hospitalizations	363	300	63	141	222	5,173
Standard rate of hospitalizations (per 100,000)	122	248	37	101	135	125
Median age of hospitalized patients	58	53	73	48	58	63
Total cost of hospitalization (\$)	6,942,300	5,875,900	1,066,400	2,494,700	4,447,600	79,350,400
Average length of hospital stay (days)	6	6	6	5	7	5
Number of ED visits	483	368	115	209	274	7,306
Standard rate of ED visits (per 100,000)	157	266	66	144	164	175
Median age of ED patients	53	48	63	48	53	53
Total cost of ED visits (\$)	407,400	305,400	101,800	156,200	251,200	5,902,800
Number of deaths*	29	11	18	6	23	366
Standard death rate (per 100,000)*	12	14	11	6	14	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.2	.	.	.	.	5.13
Number of hospitalizations	1,934	782	1,152	1,063	871	30,831
Standard rate of hospitalizations (per 100,000)	685	729	660	850	542	734
Median age of hospitalized patients	68	68	68	68	73	68
Total cost of hospitalization (\$)	63,349,200	24,443,800	38,862,700	37,236,800	26,112,400	969,122,700
Average length of hospital stay (days)	5	6	5	5	6	5
Number of ED visits	88	31	57	47	41	2,754
Standard rate of ED visits (per 100,000)	30	25	33	35	25	66
Median age of ED patients	68	68	68	68	78	63
Total cost of ED visits (\$)	349,800	95,600	250,400	216,800	133,000	10,617,900
Number of deaths*	636	274	359	316	320	9,723
Standard death rate (per 100,000)*	242	304	208	308	199	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.12	.	.	.	.	2.38
Number of hospitalizations	862	405	457	365	497	14,317
Standard rate of hospitalizations (per 100,000)	317	397	262	323	309	351
Median age of hospitalized patients	73	73	78	73	78	73
Total cost of hospitalization (\$)	17,518,600	8,757,600	8,761,000	7,281,300	10,237,300	279,819,700
Average length of hospital stay (days)	7	8	6	7	7	6
Number of ED visits	165	77	88	64	101	2,732
Standard rate of ED visits (per 100,000)	61	77	50	56	62	67
Median age of ED patients	70	68	73	73	68	73
Total cost of ED visits (\$)	311,300	130,700	180,600	113,000	198,300	6,322,600
Number of deaths*	159	72	87	61	98	2,816
Standard death rate (per 100,000)*	61	85	51	59	61	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	643	359	284	249	394	14,524
Standard rate of hospitalizations (per 100,000)	221	267	171	200	245	351
Median age of hospitalized patients	48	33	68	23	53	58
Total cost of hospitalization (\$)	9,141,000	4,847,700	4,293,300	3,535,200	5,605,800	198,700,700
Average length of hospital stay (days)	5	4	6	4	5	5
Number of ED visits	2,419	1,874	545	1,045	1,374	37,517
Standard rate of ED visits (per 100,000)	748	1,175	323	688	804	914
Median age of ED patients	33	28	43	23	38	33
Total cost of ED visits (\$)	2,336,300	1,746,400	589,900	1,058,200	1,278,100	30,607,600
Number of deaths*	85	18	67	44	41	1,891
Standard death rate (per 100,000)*	33	21	38	45	26	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	11.5	.	.	.	.	8.33
Number of hospitalizations	550	394	156	269	281	8,652
Standard rate of hospitalizations (per 100,000)	179	304	92	191	170	207
Median age of hospitalized patients	58	58	58	58	58	53
Total cost of hospitalization (\$)	7,579,100	5,040,000	2,535,600	3,896,500	3,682,600	127,167,500
Average length of hospital stay (days)	6	5	6	6	5	6
Number of ED visits	886	676	210	426	460	9,316
Standard rate of ED visits (per 100,000)	287	534	121	297	276	224
Median age of ED patients	58	58	53	58	58	53
Total cost of ED visits (\$)	715,900	542,900	173,000	328,900	387,000	8,261,100
Number of deaths*	68	40	28	14	14	1,114
Standard death rate (per 100,000)*	25	42	16	19	14	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,986	1,012	974	638	1,348	24,644
Standard rate of hospitalizations (per 100,000)	666	791	559	519	810	591
Median age of hospitalized patients	58	53	63	63	53	58
Total cost of hospitalization (\$)	51,227,900	26,339,200	24,888,700	19,514,400	31,713,500	605,119,300
Average length of hospital stay (days)	7	8	7	9	7	6
Number of deaths*	564	242	317	290	274	8,320
Standard death rate (per 100,000)*	206	255	181	267	171	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	159	70	89	70	89	2,113
Standard rate of hospitalizations (per 100,000)	57	65	51	57	56	51
Median age of hospitalized patients	68	63	68	63	68	68
Total cost of hospitalization (\$)	6,729,100	3,559,000	3,170,100	3,567,900	3,161,200	80,248,200
Average length of hospital stay (days)	13	14	11	14	11	10
Number of deaths*	42	17	25	18	24	807
Standard death rate (per 100,000)*	16	20	15	17	15	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	128	50	78	.	128	1,465
Standard rate of hospitalizations (per 100,000)	43	38	44	.	78	35
Median age of hospitalized patients	58	53	68	.	58	63
Total cost of hospitalization (\$)	1,899,200	723,000	1,176,200	.	1,899,200	21,213,600
Average length of hospital stay (days)	2	2	2	.	2	3
Number of deaths*	49	21	28	-	49	630
Standard death rate (per 100,000)*	18	22	16	-	30	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	2	2	2	.	4	5
Median age of hospitalized patients	43	43	48	.	43	48
Total cost of hospitalization (\$)	234,500	188,500	46,000	.	234,500	3,668,300
Average length of hospital stay (days)	13	16	8	.	6	4
Number of deaths*	4	2	-	6	2	26
Standard death rate (per 100,000)*	4	1	-	4	2	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	155	62	93	88	67	2,154
Standard rate of hospitalizations (per 100,000)	56	58	54	73	42	51
Median age of hospitalized patients	68	63	68	68	68	68
Total cost of hospitalization (\$)	4,915,500	1,841,100	3,074,400	2,736,500	2,179,000	70,474,400
Average length of hospital stay (days)	11	10	11	11	10	9
Number of deaths*	168	63	103	96	72	2,481
Standard death rate (per 100,000)*	61	64	58	85	46	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	87	40	47	87	.	1,353
Standard rate of hospitalizations (per 100,000)	30	34	27	68	.	32
Median age of hospitalized patients	63	63	63	63	.	68
Total cost of hospitalization (\$)	1,657,100	814,900	842,200	1,657,100	.	24,726,200
Average length of hospital stay (days)	4	4	4	4	.	4
Number of deaths*	36	22	14	36	-	478
Standard death rate (per 100,000)*	14	27	8	40	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

#### For more information about

#### Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH  
Bureau of Epidemiology  
SC Department of Health and Environmental Control  
1800 St. Julian Place, Suite 406  
Columbia, SC 29204  
Tel (803) 545-4920



#### Hospital discharges and ED visits, contact:

Sandra Kelly  
Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958  
[skelly@ors.state.sc.us](mailto:skelly@ors.state.sc.us)

